

HIGH FREQUENCY POWER SOURCE

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This application is a divisional of 09/752,978  
BACKGROUND OF THE INVENTION  
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Power generators used in electrosurgical procedures deliver electrical

energy to an electrosurgical tool for operating on the tissue of a patient. An  
5 active electrode of the tool, connected to the power generator, concentrates  
the delivery of the electrical energy to a relatively small region of tissue of  
the patient. The electrical energy typically includes energy in the radio  
frequency (RF) band. The concentration of electrical energy facilitates  
cutting or coagulation of the tissue of the patient. During typical operation  
10 of a monopolar electrosurgical device, an alternating electrical current from  
the generator flows from an active electrode to a return electrode by passing  
through the tissue and bodily fluids of a patient.

During an electrosurgical operation, different tissue types may be  
encountered, such as, for example, fat, connective, glandular and vascular  
15 tissues. Connective, glandular and vascular tissues can have similar  
characteristics in the way they react to electrical energy, specifically, they  
have similar characteristics of electrical impedance. Fat however, has  
significantly different electrical response characteristics. In particular, fat  
presents a higher impedance to the flow of electrical current than do the